

AN OPTICAL-PATH APPARATUS OF TWO-LENS AND MULTI-REFLECTIONAN

ABSTRACT

An optical-path apparatus of two-lens and multi-reflection consists of a
5 light source element, a reflection element, a camera lens and a charge
coupling device element. The light source element supplies the "light"
during scanning. The reflection element includes a first reflection mirror
and a second reflection mirror. An appropriate management between the
corresponding angles of two mirrors makes that the optic-path of "light" can
10 be reflected twice or more between them. The first characteristic of this
invention is a transparent first transparent window which is formed on the
second mirror and is positioned between the original paper and the light
source element. The second characteristic is a reflection area for reflecting
the "light"; i.e. from the original paper, the reflected "light" passes through
15 the first transparent window, and projects to the second lens and reflects
back onto the reflection area on the first lens.